

HIGH-SPEED DATA TRANSFER SYSTEM AND METHOD

ABSTRACT OF THE DISCLOSURE

5 A data transfer method is disclosed. The method includes receiving a message
at a first of a plurality of nodes in a network and retrieving from a memory forwarding
data associated with the message. The method also includes, if a destination for the
message is not a designated distributor, sending the message and at least a portion of
the forwarding data through a switching fabric to a second of the plurality of nodes in
response to the forwarding data, else if the destination for the message is the
designated distributor, sending the message to the designated distributor through the
switching fabric. The method also includes sending the message from the designated
10 distributor through the fabric to a plurality of destinations in the network using the
forwarding data. In a particular embodiment, the forwarding data may include a bit
mask.